

ABSTRACT

A dispensing apparatus (100) includes a barrel (1) and a plunger (2). A head (2A) of the plunger (2) and an inner wall (1A) of the barrel (1) together define a chamber (3) of variable volume.

The apparatus (100) includes at least one fluid inlet valve means (10) operable to allow fluid to flow into the chamber (3) when the volume of the chamber increases and at least one fluid outlet valve means (12) to allow fluid to flow out of the chamber (3) when the volume decreases.

A biasing means (9) biases the plunger (2) towards a first position and plunger actuating means (4) are operable to actuate the plunger (2) towards a second position. The apparatus (100) includes plunger damping means (14) to decelerate the plunger (2) when the plunger (2) is moving towards the first position but before the plunger (2) reaches the first position.